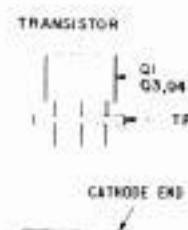
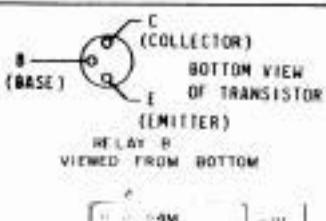
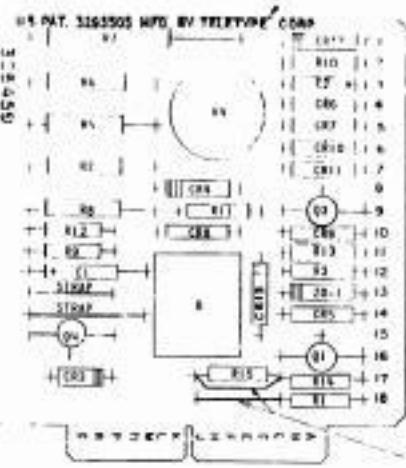


305459 CIRCUIT BOARD



NOTES:

1. REFER TO 7267WD FOR CARD MARKING INFORMATION.
2. CIRCUIT BOARD 305459 RI-19344B
CIRCUIT BOARD 305460 RI-308454
3. RAISE R2, R5, R6, R7 & R8 1/8" ABOVE CIRCUIT CARD.
4. THIS CIRCUIT BOARD IS FACTORY WIRED FOR 20 MA. (305459 OR 305460) D.C. SIGNAL LINE OPERATION. PIN H IS POSITIVE INPUT, PIN B IS GROUND. TO BE COMPATIBLE WITH AN EIA INPUT (CORRESPONDING TO EIA STANDARD RS-232-A) REMOVE THE TWO STRAPS ON THE CIRCUIT CARD. (PIN H IS EIA GROUND, PIN B IS EIA INPUT).
5. SEE ACTUAL 7267WD FOR EXTERNAL WIRING INFORMATION.

CIRCUIT BOARD

305459-460

REVISED		
REV	DATE	NUMBER
1	5-11-65	705459-460
2	5-10-66	705459-460
3	5-10-66	705459-460
4	5-10-66	705459-460
5	7-10-66	705459-460

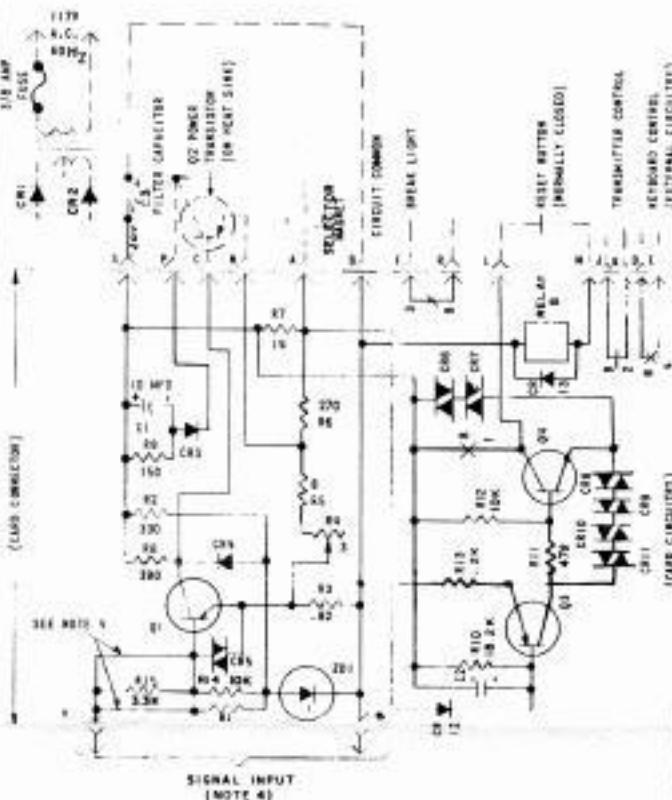
SELECTOR MAGNET DRIVER WITH BREAK DETECTOR

SELECTOR MAGNET DRIVER:

IN THE MARKING CONDITION, Q1 IS OFF, BIASED AND Q2 IS ON. THE MAGNET CURRENT IS ADJUSTED TO 20 MA BY POTENTIOMETER R9. WITH THE SIGNAL LINE IN THE MARKING CONDITION, Q1 IS ON, OFF BIASING Q2, THEREBY ALLOWING THE MAGNET TO RELEASE.

BREAK DETECTOR:

IN THE MARKING CONDITION, Q3 AND Q4 ARE OFF, KEEPING RELAY R DE-ENERGIZED. Q3 WILL STAY OFF WITH THE SIGNAL LINE SPACING, BUT AFTER 26.5 ms AND BEFORE 250 ms OF AN OPEN SIGNAL LINE, Q3 AND Q4 TURN ON, ENERGIZING RELAY R.



APPROVALS	
R&D	E&M
<i>[Signature]</i>	<i>[Signature]</i>
E-NUMBER	
PROD. NO. 305459-460	
DATE: 5-11-65	
P&D FILE NO. C-312048	
DRAWD. BY D. CHOI. 5-11-65	
ENG'D. BY D. CHOI. 5-11-65	
TELETYPE	
TELETYPE CORPORATION	
305459-460	

REF. DESIG.	TELETYPE PART NO.	TOTAL QTY.	NAME AND DESCRIPTION	LOCATING FUNCTION	REF. DESIG.	TELETYPE PART NO.	TOTAL QTY.	NAME AND DESCRIPTION	LOCATING FUNCTION
R1	193448	1	RESISTOR, 450 OHMS, 1/2 W	Q10 AMP. SWITCHING	29603RM	4	24 S.G. BARRY MARY STRAP		
R1	206120	1	RESISTOR, 100 OHMS, 1/2 W	Q10 AMP. SWITCHING					
R2	181626	1	RESISTOR, 300 OHMS, 1/2 W	CURRENT LIMITING	Q1	291597	1	CIRCUIT BOARD	
R3	182728	1	RESISTOR, 0.82 OHMS, 1/2 W	EMITTER BIAS					
R4	182729	1	RESISTOR, 2 OHMS, 2.5 W	CURRENT ADJUST					
R5	181717	1	RESISTOR, 8 OHMS, 5 W	Q2 CHITTER BIAS					
R6	182720	1	RESISTOR, 370 OHMS, 5 W	Q2 CHITTER BIAS					
R7	182722	1	RESISTOR, 14 OHMS, 10 W	Q2 COLLECTOR LOAD					
R8	182721	1	RESISTOR, 100 OHMS, 5 W	Q1 COLLECTOR LOAD					
R9	182726	1	RESISTOR, 100 OHMS, 1/2 W	TRANSIENT LIMITING					
R10	211225	1	RESISTOR, 10,20 OHMS, 1/2 W	BREAK TIME ADJUST					
R11	182602	1	RESISTOR, 470 OHMS, 1/2 W	BASE CURRENT LIMITING					
R12	129859	1	RESISTOR, 10K OHMS, 1/2 W	BIAS RESISTOR					
R13	127981	1	RESISTOR, 1.2K OHMS, 1/2 W	VOLTAGE DIVIDER					
R14	129854	1	RESISTOR, 10K OHMS, 1/2 W	SWITCHING					
R15	129854	1	RESISTOR, 3.3K OHMS, 1/2 W	CURRENT LIMITING					
R16	181519	4	21061, 10K82	TRANSIENT LIMITING					
R17	181519	4	21061, 10K82	VOLTAGE CLAMPING					
R18	179854	7	RESISTOR, 100 A	INPUT PROTECTION					
R19	179854	7	RESISTOR, 100 A	EMITTER BIAS					
R20	179854	7	RESISTOR, 100 A	EMITTER BIAS					
R21	179854	7	RESISTOR, 100 A	VOLTAGE CLAMPING					
R22	179854	7	RESISTOR, 100 A	VOLTAGE CLAMPING					
R23	179854	7	RESISTOR, 100 A	VOLTAGE CLAMPING					
R24	181852	2	21061, 10K45	BLOCKING					
R25	181852	2	21061, 10K45	TRANSIENT LIMITING					
R26	182726	1	DIODE, ZENER 6.7V ± 5%, 1WATT	VOLTAGE REFERENCE					
C1	192629	1	CAPACITOR, 10 MFD	TRANSIENT LIMITING					
C2	301455	1	CAPACITOR, 15 MFD	BASE CURRENT SUPPLY					
Q1	181571	1	TRANSISTOR, HIGH BETA 2N1373	INPUT SWITCH					
Q2	177105	1	TRANSISTOR, P-12	SWITCH					
Q3	208400	1	TRANSISTOR, 2N1026	RELAY DRIVER					
TP	324-41	1	PNP, TRANSISTOR 2N1026						
T1	194955	2	PNP, TRANSISTOR 2N1026						
R	201558	1	RELAY, 120V CO-144-E	LINE BREAK INDICATOR					
	117571	4	TERMINALS						

APPROVALS	
R&D	E&M
<i>[Signature]</i>	<i>[Signature]</i>
E-NUMBER	
PROD. NO. 305459-460	
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P&D FILE NO. C-312048	
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